

Radiography and Radiation Protection Update Course

(Awareness Training in Radiation Protection)

Date and venue:

DATE: 24/03/2014

Engineer's House, Clifton, Bristol

www.eefvenues.co.uk

Course Organiser: Vassia Karpeta

Course Lecturers: Mr Ian Hammilton

Programme

0900- 09.30 Registration

09.30 -10:30 Introduction.The Hazards of Ionizing Radiation.
Protecting the patient and the Operator

_____Physics Revision – what happens when you press the button?

10:30-11.00 Coffee break

11.00-13.00 Intraoral Radiography and QA. IRR99 and
IR(ME)R2000
Brief for Syndicate Discussions

13.00-14.00 Lunch

14.00-15.30 Problems in Practice-syndicate discussion and
presentations

15.30-15.45 Coffee

15.45-16.30 Summary and wrap-up

RADIOGRAPHY AND RADIATION PROTECTION UPDATE COURSE

AIM

1. To meet the GDC requirement that all Dentists and DCPs should carry out 5 hours of verifiable continuing professional development in Radiology and Radiation Protection as part of their 5-yearly recertification cycle.

COURSE CONTENT

2. The 1-day course covers the core subjects recommended for continuing training and education as contained within para A 3.7 of the NRPB *Guidance Notes for General Practitioners on the Safe Use of X-Ray Equipment*, June 2001 (which remains extant despite the NRPB having being subsumed into the Health Protection Agency – which has become Health Protection England):

- (a) the principles of radiation physics;
- (b) risks of ionising radiation;
- (c) radiation doses in dental radiography;
- (d) factors affecting doses in dental radiography;
- (e) the principles of radiation protection;
- (f) statutory requirements;
- (g) selection criteria;
- (h) quality assurance.

3. Whilst there is no requirement within the *Guidance Notes for operators* to study *selection criteria*, the course is intended to be suitable for both Dentists and Dental Care Professionals – the GDC has recommended that radiography and radiation protection should form one of the core subjects for DCPs since the introduction of compulsory CPD for them in July 2008.

EDUCATIONAL LEARNING OUTCOMES

4. The educational learning outcomes for the course are as follows:

a. Understand what statutory legislation is applicable to Dental Radiology/Radiography (IRR 99, IR(ME)R 2000, IR(ME)Amending Regulations 2006) and what specific roles and responsibilities are laid down within these Regulations (with particular regard to Local Rules and Pregnancy).

b. Revise the nature of and specific hazards associated with ionising radiation in order that all members of the Dental team understand the need to protect both themselves and their patients.

c. Understand the principles of Radiation Protection and how these are translated into practice. Revise the election Criteria for Dental Radiography in accordance with the FGDP(UK) Guidelines so that both dentists and DCPs understand the need for *justification* of every exposure.

d. Understand the requirement for a Quality Assurance programme and the need for (and benefits gained from) auditing image quality at appropriate intervals. Revise positioning techniques for both intraoral and panoramic radiography.